

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**

08 JUL 2005



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/063614 A3

(51) International Patent Classification⁷: F16L 21/06

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(21) International Application Number: PCT/EP2010/061310

PCT/US2004/000599

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(25) Filing Location:

(81) Designated States (unless otherwise indicated, for every kind of rational protection available) AF, AG, AL, 125

688

English

(26) Publication Language:

English

(30) Priority Data:

60/439,053 8 January 2003 (08.01.2003) US
60/445,363 5 February 2003 (05.02.2003) US

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(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

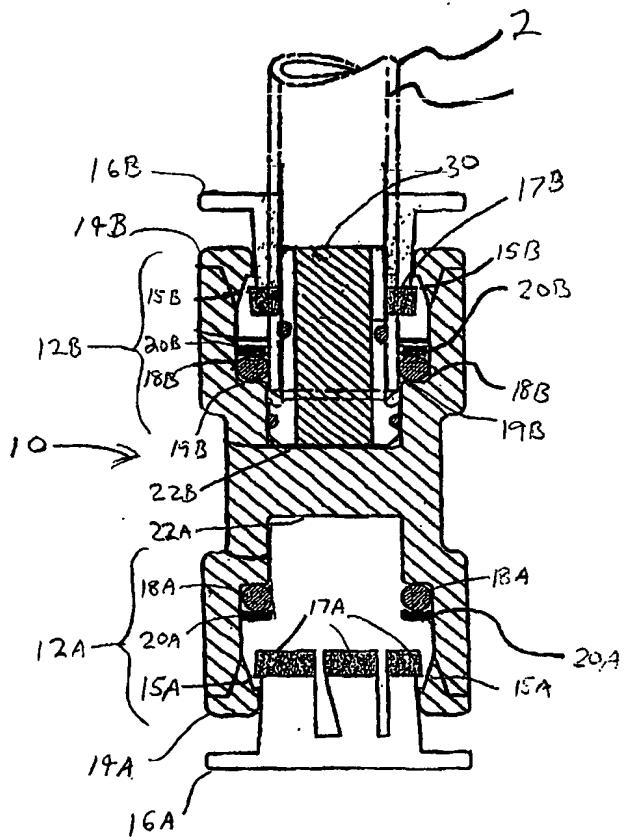
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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW).

[Continued on next page]

(54) Title: STABILIZER-SEAL-INSERT FOR PUSH-IN TUBE COUPLINGS



(57) Abstract: A push-in type coupling system has a sleeve (12A, 12B) with a primary seal (18A, 18B), and a pre-installed tube insert (30). The insert (30) can be integrally formed as part of the coupling (1), or included as a separate piece in the coupling (1). The insert (30) preferably has at least one secondary seal (38, 40), which is advantageously disposed around the base (34) of the insert (30) and/or around the shaft (32) of the insert (30). The base (34) is preferably chamfered (42) to facilitate insertion of the inert (30) into the coupling (1), and can advantageously have a shoulder (35) that cooperates with a retaining ring (26A, 26B) of the coupling (1) to impede accidental removal of the insert (30) from the coupling (1).



Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*

(88) Date of publication of the international search report:

28 April 2005

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00599

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : F16L 21/06
 US CL : 285/243, 322, 369, 374

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 285/243, 322, 369, 374

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6, 170, 887 B1 (SALOMON-BAHLS et al) 09 January 2001 (09.01.2001), see entire document.	1, 4-5, 8-9, 11-12, 14-16
X	CH 667317 A5 (VIEGENER) 30 September 1988 (30.09.1988), see entire document.	1-7, 9-13, 15-16

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Date of the actual completion of the international search

01 February 2005 (01.02.2005)

Date of mailing of the international search report

09 FEB 2005

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